DENON

DJ MIXER / DJ 混音台

DN-X120

Owner's Manual

Bedienungsanleitung

Manuel de l'Utilisateur

Manuale delle istruzioni

Manual del usuario

Gebruiksaanwijzing

Bruksanvisning

操作说明书

❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:
1. Handle the power supply cord carefully
Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

2. Do not open the top cover
In order to prevent electric shock, do not open the top cover. If problems occur, contact your DENON dealer.

3. Do not place anything inside
Do not place metal objects or spill liquid inside the DJ mixer. Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.

Model No. DN-X120 Serial No._____

LABELS:

CAUTION
TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION
POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTERODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information!

15. Marked terminals are HAZARDOUS LIVE and that the external wiring connected to those terminal requires installation by an instructed person or the use of ready-made leads or cords.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:
Um dieses Gerät vollständig von der Stromversorgung abzutrennen, ziehen Sie bitte den Stecker aus der Wandsteckdose.
Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

PRECAUTION:
Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.
La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

ATTENZIONE:
Per scollegare completamente questo prodotto dalla rete di alimentazione elettrica, scollegare la spina dalla relativa presa a muro.
La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN:
Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.
El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

WAARSCHUWING:
Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.
De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT:
Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.
Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren.

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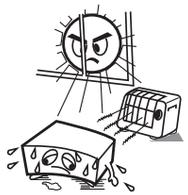
❑ NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA ANGÅENDE ANVÄNDNINGEN



- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Vermeiden Sie hohe Temperaturen.
  Beachten Sie, dass eine ausreichende Belüftung gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées.
  Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature elevate.
  Assicuratevi che vi sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas.
  Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Vermijd hoge temperaturen.
  Zorg er bij installatie in een audiorack voor, dat de door het toestel geproduceerde warmte goed kan worden afgevoerd.
- Undvik höga temperaturer.
  Se till att det finns möjlighet till god värmeavledning vid montering i ett rack.

- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
  Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Manipuler le cordon d'alimentation avec précaution.
  Tenir la prise lors du débranchement du cordon.
- Manneggiate il cavo di alimentazione con attenzione.
  Tenete ferma la spina quando scollegate il cavo dalla presa.
- Maneje el cordón de energía con cuidado.
  Sostenga el enchufe cuando desconecte el cordón de energía.
- Hanteer het netsnoer voorzichtig.
  Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt.
  Håll i kabeln när den kopplas från el-uttaget.

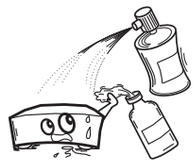
- Keep the unit free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.

- Unplug the power cord when not using the unit for long periods of time.
- Wenn das Gerät längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Scollegate il cavo di alimentazione quando prevedete di non utilizzare l'unità per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopkontakt wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla loss nätkabeln om apparaten inte kommer att användas i lång tid.

* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Decken Sie den Lüftungsbereich nicht ab.
- Ne pas obstruer les trous d'aération.
- Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden beblokkeerd.
- Täpp inte till ventilationsöppningarna.

- Do not let foreign objects into the unit.
- Lassen Sie keine fremden Gegenstände in das Gerät kommen.
- Ne pas laisser des objets étrangers dans l'appareil.
- Non inserite corpi estranei all'interno dell'unità.
- No deje objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att främmande föremål inte tränger in i apparaten.



- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevi che l'unità non entri in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Voorkom dat insecticiden, benzeen of verfverdunner met dit toestel in contact komen.
- Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje.

- Never disassemble or modify the unit in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontate né modificate l'unità in alcun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Dit toestel mag niet gedemonteerd of aangepast worden.
- Ta inte isär apparaten och försök inte bygga om den.

CAUTION:
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Observe and follow local regulations regarding battery disposal.
- Do not expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.

ACHTUNG:
- Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden.
- Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.
- Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen.
- Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden.
- Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.

ATTENTION:
- La ventilation ne doit pas être gênée en recouvrant les ouvertures de la ventilation avec des objets tels que journaux, rideaux, tissus, etc.
- Aucune flamme nue, par exemple une bougie, ne doit être placée sur l'appareil.
- Veillez à respecter les lois en vigueur lorsque vous jetez les piles usagées.
- L'appareil ne doit pas être exposé à l'eau ou à l'humidité.
- Ne pas poser d'objet contenant du liquide, par exemple un vase, sur l'appareil.

ATTENZIONE:
- Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via.
- Non posizionate sull'unità fiamme libere, come ad esempio candele accese.
- Prestate attenzione agli aspetti legati alla tutela dell'ambiente nello smaltimento delle batterie.
- L'apparecchiatura non deve essere esposta a gocciolii o spruzzi.
- Non posizionate sull'unità alcun oggetto contenente liquidi, come ad esempio i vasi.

PRECAUCIÓN:
- La ventilación no debe quedar obstruida por haberse cubierto las aperturas con objetos como periódicos, manteles, cortinas, etc.
- No debe colocarse sobre el aparato ninguna fuente inflamable sin protección, como velas encendidas.
- A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente.
- No exponer el aparato al goteo o salpicaduras cuando se utilice.
- No colocar sobre el aparato objetos llenos de líquido, como jarros.

WAARSCHUWING:
- De ventilatie mag niet worden belemmerd door de ventilatieopeningen af te dekken met bijvoorbeeld kranten, een tafelkleed, gordijnen, enz.
- Plaats geen open vlammen, bijvoorbeeld een brandende kaars, op het apparaat.
- Houd u steeds aan de milieuvoorschriften wanneer u gebruikte batterijen wegdoet.
- Stel het apparaat niet bloot aan druppels of spatten.
- Plaats geen voorwerpen gevuld met water, bijvoorbeeld een vaas, op het apparaat.

OBSERVERA:
- Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar, gardiner osv.
- Inga blottade brandkällor, såsom tända ljus, får placeras på apparaten.
- Tänk på miljöaspekterna när du bortskaffar batterier.
- Apparaten får inte utsättas för vätska.
- Placera inte föremål fyllda med vätska, t.ex. vaser, på apparaten.

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FCC INFORMATION (For US customers)

1. PRODUCT
This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

3. NOTE
This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

- **DECLARATION OF CONFORMITY**
  We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
  EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
  Following the provisions of 2006/95/EC, 2004/108EC and 93/68/EEC Directive.
- **ÜBEREINSTIMMUNGSERKLÄRUNG**
  Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:
  EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.
  Entspricht den Verordnungen der Direktive 2006/95/EC, 2004/108EC und 93/68/EEC.
- **DECLARATION DE CONFORMITE**
  Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants:
  EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.
  D'après les dispositions de la Directive 2006/95/EC, 2004/108EC et 93/68/EEC.
- **DICHIARAZIONE DI CONFORMITÀ**
  Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative:
  EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.
  In conformità con le condizioni delle direttive 2006/95/EC, 2004/108EC e 93/68/EEC.
  QUESTO PRODOTTO E' CONFORME
  AL D.M. 28/08/95 N. 548
- **DECLARACIÓN DE CONFORMIDAD**
  Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:
  EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.
  Siguiendo las provisiones de las Directivas 2006/95/EC, 2004/108EC y 93/68/EEC.
- **EENVORMIGHEIDSVERKLARING**
  Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:
  EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.
  Volgens de bepalingen van de Richtlijnen 2006/95/EC, 2004/108EC en 93/68/EEC.
- **ÖVERENSSTÄMMELSESINTYG**
  Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:
  EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.
  Enligt stadgarna i direktiv 2006/95/EC, 2004/108EC och 93/68/EEC.

A NOTE ABOUT RECYCLING:

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.
This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive.

HINWEIS ZUM RECYCLING:
Das Verpackungsmaterial dieses Produktes ist zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.
Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.
Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte entsorgen Sie die Batterien gemäß der örtlichen Vorschriften.
Dieses Produkt und das im Lieferumfang enthaltene Zubehör (mit Ausnahme der Batterien!) entsprechen der WEEE-Direktive.

UNE REMARQUE CONCERNANT LE RECYCLAGE:
Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer des matériaux conformément aux lois sur le recyclage en vigueur.
Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations en vigueur.
Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux lois en vigueur sur la mise au rebut des piles.
Ce produit et les accessoires inclus, à l'exception des piles, sont des produits conformes à la directive DEEE.

NOTA RELATIVA AL RICICLAGGIO:
I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.
Per lo smaltimento dell'unità, osservare le normative o le leggi locali in vigore.
Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.
Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

ACERCA DEL RECICLAJE:
Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.
Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.
Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.
Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

EEN AANTEKENING MET BETREKKING TOT DE RECYCLING:
Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften.
Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op.
Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.
Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

OBSERVERA ANGÅENDE ÅTERVINNING:
Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.
När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.
Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.
Denna apparat och de tillbehör som levereras med den uppfyller gällande WEEE-direktiv, med undantag av batterierna.

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Getting Started

Thank you very much for purchasing the DENON DN-X120 DJ MIXER. DENON proudly presents this advanced DJ MIXER to audiophiles and music lovers as a further proof of DENON's non-compromising pursuit of the ultimate in sound quality. The high quality performance and easy operation are certain to provide you with many hours of outstanding listening pleasure.

Accessories

Check that the following parts are supplied with the product.

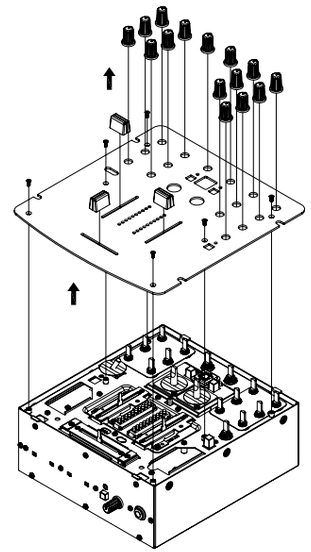
① Owner's manual 1
② AC adaptor (AA-26: for AC 120 V, AA-27: for AC 230 V) 1

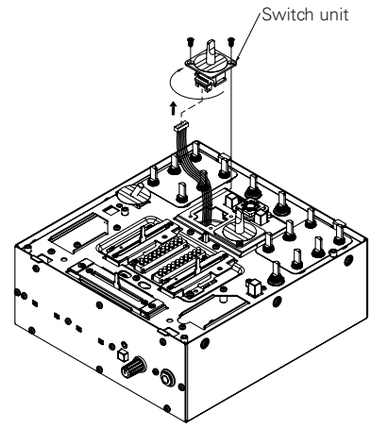
Main Features

1. 2-Channel DJ Mixer
4 LINE, 2 PHONO, 1 Microphone systems and 2 MASTER outputs are provided independently.
2. VCA controlled Channel Fader and Crossfader
3. Channel Fader and Crossfader contour adjustable
This feature allows adjusting the "shape" of the Crossfader and Channel fader response from a gentle curve for smooth to the steep pitch required for top performance cut and scratch effects.
4. Crossfader Start
The CD player can be started or stopped simply by using the Crossfader left to right or right to left. (This function can only be used when the DENON CD players DN-S3500, DN-S1200 or etc. is connected to the DN-X120.)
5. 3-Band Equalizer/Gain
LOW, MID, HI and GAIN controls are available on every input channel.
6. 4 direction placement for input selector
7. Microphone Talkover function

Rotating Input Select Switches

① Disconnect the power.
② Remove knobs from the Top Panel.
③ Remove the 6 screws attaching the Top Panel.
④ Remove the 2 screws attaching the Switch unit.
⑤ Rotate the Switch unit to the desired location.
⑥ Reinstall the 2 screws holding the Switch unit.
⑦ Reinstall the Top Panel and reattach knobs.





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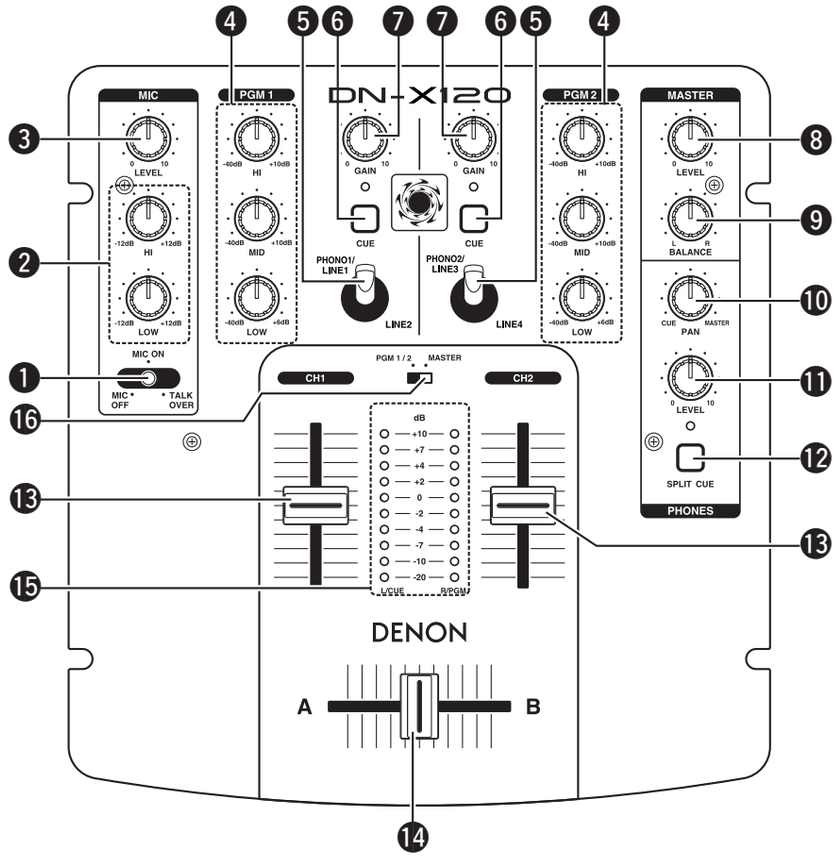
Part Names and Functions

For buttons not explained here, see the page indicated in parentheses ( ).

Top Panel



❶ MIC ON/OFF/TALKOVER switch
When TALKOVER is selected, all signals except the microphone level are decreased by 20 dB. When at the ON or OFF position all signals remain at their standard levels.

❷ MIC EQ controls
- Contour the frequency response of the Mic input –12 dB to +12 dB.
- At the center position, sound is flat.

❸ MIC LEVEL control
Adjust the level of Mic signal.

❹ Source EQ controls
Contour the frequency response of the selected inputs.

HI and MID:
- Adjusts the high-tone and mid-tone sound –40 dB to +10 dB.

LOW:
- Adjusts the high-tone and mid-tone sound –40 dB to +6 dB.

NOTE:
Clipping may occur if adjustments are set to harsh.

❺ Input select switch
- Switches between the PHONO/LINE and LINE inputs.
- When the lever of switch is vertical position, the LINE2 or LINE4 input is selected.
- When the lever of switch is slope, the PHONO1/ LINE1 or PHONO2/LINE3 input is selected.
- You can perform 4 direction placement (☞page 4).

❻ CUE buttons
These buttons are used to activates a channels "CUE" mode, the LED above the cue button will glow when cue mode is activated. Cue mode will send a channels incoming signal to the headphones.

❼ GAIN
Adjusts the gain of each input channel.

❽ MASTER LEVEL control
Adjust the level of the MASTER output.

❾ MASTER BALANCE control
Adjust the L/R balance of the MASTER outputs.

❿ Headphone PAN control
- This function allows you to monitor the CUE level as well as the MASTER output in your headphones. A CUE Level may only be monitored of the CUE signal is selected.
- Serves two purposes. In the STEREO mode it changes the relative levels of the CUE and MASTER mixed together in both ear cups. In the SPLIT CUE mode it changes the balance between the monaural CUE sound in the left and monaural MASTER sound in the right.

⓫ PHONES LEVEL control
Adjusts the headphone output level.

⓬ SPLIT CUE button
- In the STEREO mode, the stereo sound of MASTER and CUE are fed to both ear cups. In the SPLIT CUE mode, the headphone circuit provides monaural CUE sound to the left and monaural MASTER sound to the right.
- When the Level Meter mode select switch is set to "MASTER". In the STEREO mode, the meter indicates the stereo level in the L/R Master output. In the SPLIT CUE mode, the monaural CUE sound level is displayed on the left and the monaural MASTER sound level is displayed on the right.
- In the SPRIT CUE mode, the LED is lit.

⓭ Channel Fader
Controls the channel output level.

⓮ Crossfader
Fades the overall mixer output between channels 1 and 2.

⓯ Level Meter
The dual LED's indicators are used to detail either the master output level, a combination of the master output level and the CUE signal level, or the PGM1/2 monaural level.

⓰ Level meter mode select switch
The position of this switch will determine the Level Meter mode. In the "MASTER" position, the meter will detail the out level of the left and right channels. In the "PGM 1/2" position, the left side of the meter will indicate monaural level of the PGM 1 and the right side of the meter will indicate monaural level of the PGM 2.

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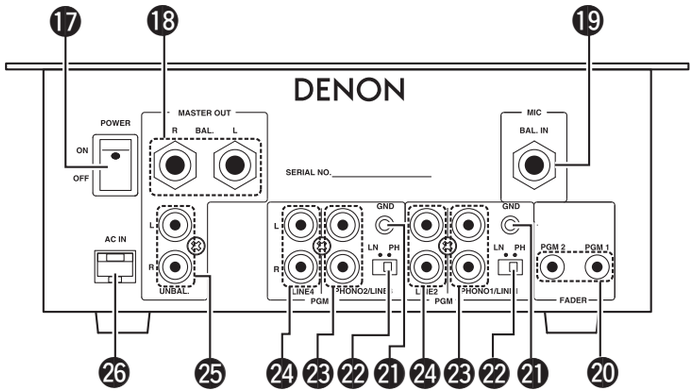
Rear Panel



⓱ Power operation switch (POWER)
Selects power "ON" or "OFF".
NOTE:
Whenever the power switch is in the OFF state, the AC adaptor is still connected on AC line voltage. Please be sure to unplug the cord when you don't use for along time.

⓲ Balanced MASTER OUT jacks (BAL.)
- These 1/4" TRS jacks provide a balanced line level output.
- Connect these jacks to the balanced analog input jacks on an amplifier or console.
- Pin layout: Tip=Hot Ring=Cold Sleeve=GN

⓳ MIC BALANCED INPUT jack
- Accepts an balanced microphone with 1/4" TRS mono jacks.
- Pin layout: Tip=Hot Ring=Cold Sleeve=GND

⓴ PGM1, 2 FADER output jacks
Connect these jacks to the FADER input jacks of DN-S3500, DN-S1200 and etc. using the 3.5mm stereo mini cord.

㉑ Phono ground screw (GND)
- This screws provide a place to connect the ground wire from a turntable.
- This terminal is exclusively for a turntable ground and not a safety earth ground.

㉒ PHONO1, 2 / LINE1, 3 switches (LN / PH)
- These switches change the input from PHONO to a LINE level input.
- These switches set a LINE level input when turntable is not connected.

NOTE:
Always be sure main power is shut off before change the position of the Line Level Selector Switch.

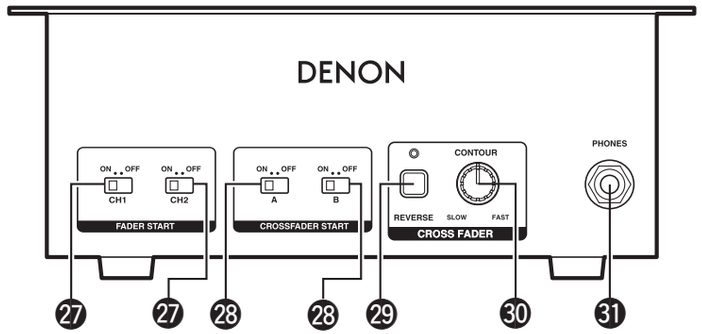
㉓ PHONO1, 2 / LINE1, 3 input jacks
These stereo pair of unbalanced RCA jacks are inputs for a PHONO (RIAA) stage for magnetic (MM) cartridges or a LINE stage suitable for any device, such as a CD player.

㉔ LINE2, 4 input jacks
These stereo pair of unbalanced RCA jacks are inputs for any line level device.

㉕ Unbalanced MASTER OUT jacks
- This stereo pair of RCA jacks provides an unbalanced line level output.
- Connect these jacks to the unbalanced analog input jacks on an amplifier or console.

㉖ AC IN
Input connection for the included AC adaptor.
NOTE:
Use specified attached AC adaptor only.

Front panel



㉗ CH 1/2 FADER START switches
Use this to switch the Channel Fader Start function ON and OFF.

㉘ CROSSFADER START A, B switches
Use this to switch the Crossader Start function ON and OFF.

㉙ CROSSFADER REVERSE switch
Reverses the direction of the crossfader.

㉚ CROSSFADER CONTOUR adjustment
Adjusts the shape of the crossfader curve from a fast cut for scratching or to a slow fade for mixing.

㉛ HEADPHONE output jack
Accept 1/4" stereo headphone plugs.

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Connections

Refer to the connection diagram below.

1. Make certain AC power is off while making connections.
2. Quality cables make a big difference in fidelity and punch. Use high-quality, audio cables.
3. Do not use excessively long cables. Be sure plugs and jacks are securely fastened. Loose connections cause hum, noise, or intermittents that could damage your speakers.
4. Connect all stereo input sources. Then connect any effects into the stereo effect, if used. Connect your microphone(s) and monitor headphones. Make sure all faders are at "zero" and the unit is off. Take care to connect only one cable at a time. Pay attention to L and R position of jacks, on both the DN-X120 and outboard gear.
5. Connect the stereo outputs to the power amplifier(s) and/or tape deck(s) and/or MD recorder(s) and/or CD recorder(s). Plug the DN-X120 into AC power outlet.

NOTE

Always switch on your audio input sources such as CD players first, then your mixer, and finally any amplifiers. When turning off, always reverse this operation by turning off amplifiers, then your mixer, and then input units.

Preparations

Cables Used for Connections

Select the cables according to the equipment being connected.

Audio cables

For RCA PINJACK

Unbalanced

RCA pin pulag

For BALANCED MASTER OUT

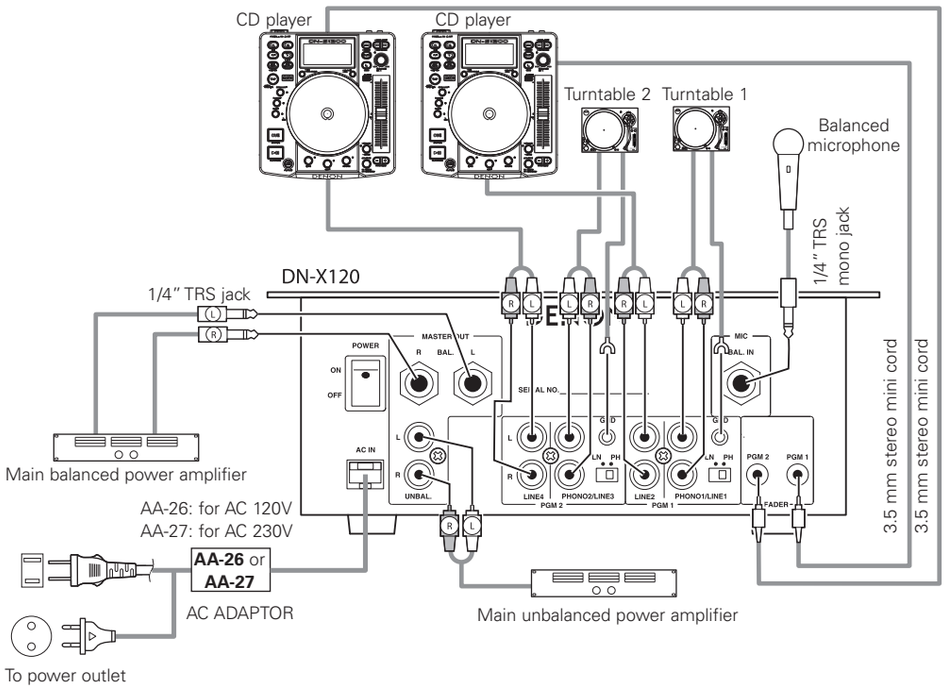
Balanced — Balanced (1/4" TS)

For MIC

Balanced (1/4" TRS) — Balanced

For BALANCED MASTER OUT

Balanced — Balanced (1/4" TS)



NOTE

Use specified attached AC adaptor only.

※ The attached AC adaptor is exclusively for use with this unit.
Never connect to other devices.

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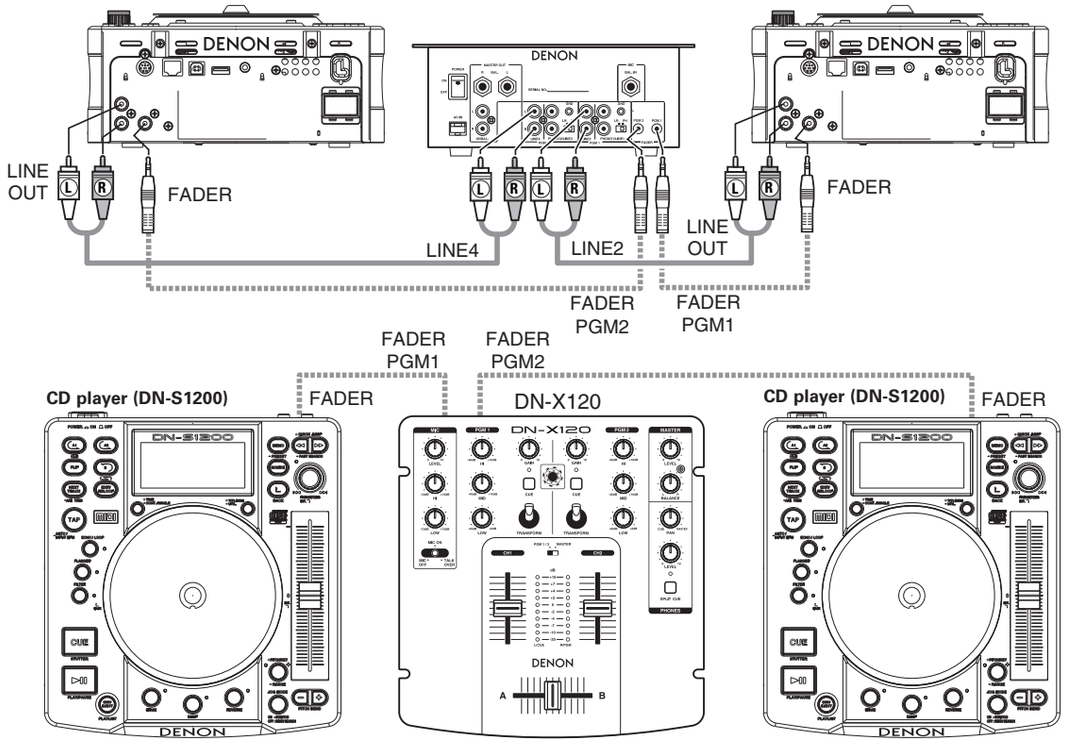
Playback

Fader Start

If the separately sold DN-S3500, DN-S1200 and etc. players are connected to FADER PGM1 or PGM2, they can started using the Channel fader or Crossfader, as long as the 3.5 mm stereo mini cords have been connected.



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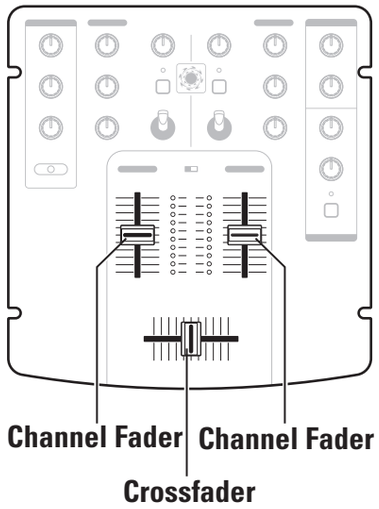


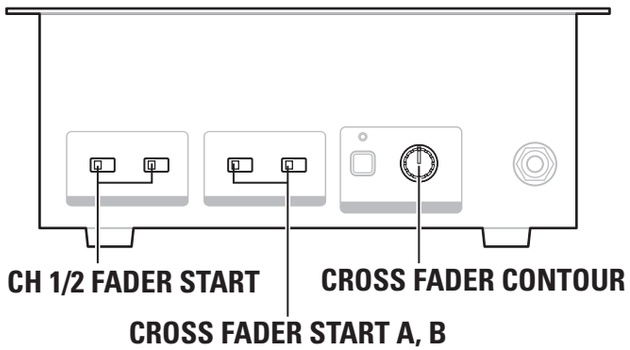
Channel Fader Start

1 Turn on the **CH 1/2 FADER START**.

2 Move the **Channel Fader** of CH-1 or CH-2 control all the way to the bottom.

3 Set the standby mode on CD player.

4 When you want to start the player, move up the **Channel Fader** and the CD player will begin playing.



Crossfader Start

1 Turn on the **CROSS FADER START A, B**.

2 Slide the **Crossfader** all the way in direction opposite the source you want to start.
(In the following example, startup is done with the CD player connected to PGM1.)

3 Set the standby mode on CD player.

4 Use the **CROSS FADER CONTOUR** controls to control the Crossfader startup curve.

5 When the **Crossfader** is slid in the opposite direction, CD player play will begin.

NOTE

- When the **CROSS FADER REVERSE** is set to ON, the **Crossfader**'s operating direction is reversed.
- **Channel Fader** Start and **Crossfader** Start for the same source will not operate simultaneously.
  You must select from either one. If both **CH FADER START** and **CROSSFADER START A, B** switches are ON, priority will be the **Crossfader**.

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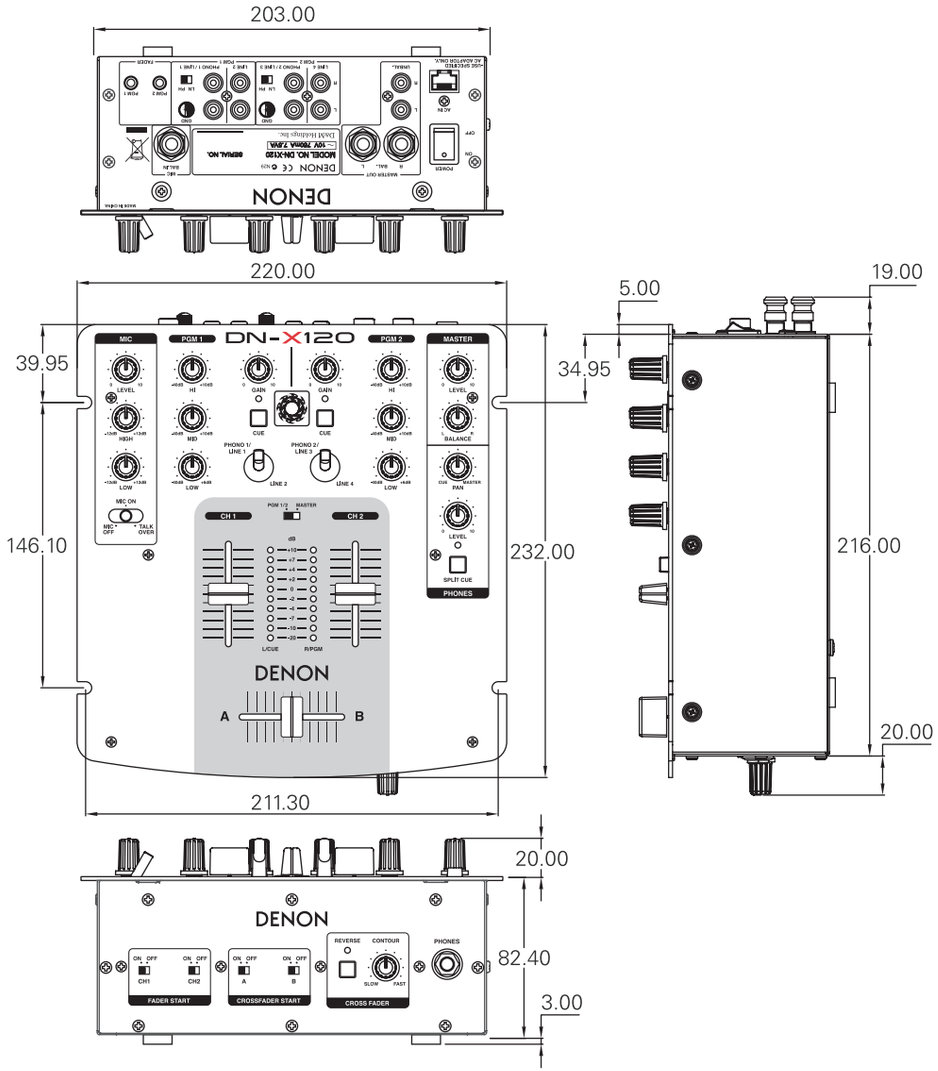
Specifications

•Phono Inputs:	2 Stereo	Unbalanced RCA jacks
Input Impedance	50 kΩ/kohms	
Level	–50 dBV (3 mV)	
•Line Inputs:	2 Stereo	Unbalanced RCA jacks
Input Impedance	20 kΩ/kohms	
Level	–14 dBV (200 mV)	
•EQ Control (Line):	3 Bands	
Control Range	HI: –30 dB to +10 dB (at 16 kHz), –38 dB to +10 dB (at 20 kHz)	
	MID: –38 dB to +10 dB (at 1 kHz)	
	LOW: –38 dB to +6 dB (at 60 Hz)	
•Mic Inputs:	1 Mono	Active Balanced 1/4″ TRS jack
Input Impedance	2 kΩ/kohms	
Level	–54 dBV (2 mV)	
Frequency Response	20 Hz to 20 kHz (±3 dB)	
S/N	66 dB	
•EQ Control (Mic):	2 Bands	
Control Range	HI: –12 to +12 dB (at 10 kHz)	
	LOW: –12 to +12 dB (at 100 Hz)	
•Master Output:		
Balanced	Stereo	Active Balanced 1/4″ TRS jack
Output Impedance	150 Ω/ohms	
Level	+4 dBm (1.23 Vrms)	(600 Ω/ohms load)
Frequency Response	20 Hz to 20 kHz (±2 dB)	
THD+N	LINE : Below 0.05 %	PHONO : Below 0.07 %
S/N	LINE : 85 dB	PHONO : 76 dB
Cross Talk	Over 75 dB	
Unbalanced	Stereo	Unbalanced RCA jacks
Output Impedance	1 kΩ/kohms	
Level	0 dBV (1 Vrms)	(10 kΩ/ohms load)
Frequency Response	20 Hz to 20 kHz (±2 dB)	
THD+N	LINE : Below 0.05 %	PHONO : Below 0.07 %
S/N	LINE : 85 dB	PHONO : 76 dB
Cross Talk	Over 75 dB	
•Headphone Output:	Stereo	
Output Impedance	33 Ω/ohms	
Level	0 dBV (1 Vrms)	(32 Ω/ohms load)
•Power Source:	AC 10 V 750 mA x 2	
•Power Supply, Consumptions:		
USA, Canada	AC 120 V ± 10 %, 60 Hz	(AC adaptor : AA-26)
Europe, Asia, Oceania	AC 230 V ± 10 %, 50 Hz	(AC adaptor : AA-27)
•Unit Size	220 (W) x 232 (D) x 82.4 (H) mm	
•Weight	2.8 kg	AC adaptor : 0.5 kg

* Specifications and design are subject to change without notice for purpose of improvement.



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TOKYO, JAPAN
http://www.dm-pro.jp

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Printed in China 00M0 8BZ85 1010

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